

**Claims:**

1. A wireless telecommunications network node comprising a processor configured to handle call traffic and to record measurement data, the processor being configured to detect processor load and to automatically adjust the rate of recordal of measurements dependent on detected processor load so as to keep the processor load within predetermined limits.
2. A wireless telecommunications network node according to claim 1, the processor comprising a processor load detector and a variable filter, the filter acting to discard a proportion of measurement reports received, the proportion being adjusted dependent upon the processor load.
3. A wireless telecommunications network node according to claim 1 in which on start up the processor load is allowed to increase to beyond a first threshold whereupon the rate of recordal of measurements is reduced in successive steps until the processor load falls below a second threshold whereupon the rate of recordal of measurements is increased in successive steps, the first threshold being higher than the second threshold.
4. A wireless telecommunications network node according to claim 1, in which the processor comprises a statistics collector, the statistics controller acting to selectively adjust dependent on detected processor load which of a variety of possible statistics are collected, the statistics being collected from analysis of the measurement records.
5. A wireless telecommunications network node according to claim 4, in which the number of statistics collected is increased upon the processor load going below a first threshold and the number of statistics collected is reduced upon the processor load going above a second threshold, the second threshold being higher than the first threshold.

6. A wireless telecommunications network node according to claim 1, in which the measurement records are event records each comprising an indication of an event experienced by a mobile user terminal and measurements of radio conditions experienced by the mobile user terminal.
- 5 7. A wireless telecommunications network node according to claim 6, in which the measurement records also comprise data of geographical location of the mobile user terminal.
8. A wireless telecommunications network node according to claim 1, comprising an outlet port for transfer of measurement records to a remote network node.
- 10 9. A wireless telecommunications network node according to claim 1, which is a controller configured to control at least one base station for wireless telecommunications to mobile user terminals
10. A wireless telecommunications network node according to claim 9, which is a radio network controller.
- 15 11. A wireless telecommunications network node according to claim 9, which is a radio network controller of a Universal Mobile Telecommunications System (UMTS) wireless telecommunications network.
12. A wireless telecommunications network comprising an operations and maintenance centre, a radio network controller, and a plurality of base stations under the control of the radio network controller and configured for wireless telecommunications with mobile user terminals, the radio network controller comprising a processor configured to handle call traffic and to record measurement data, the processor being configured to detect processor load and to automatically adjust the rate of recordal of measurements dependent on detected processor load so as to keep the processor load within predetermined limits.
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**13.** A method of controlling processor load in wireless telecommunications network node comprising a processor, the processor handling call traffic and recording the measurement data, the processor detecting processor load and automatically adjusting the rate of recordal of measurement data dependent on detected processor load so as to

5 keep the processor load within predetermined limits.